

What is Claimed is:

- Sub 1
1. An electrical contact, comprising:
a rear end having a first interface; and
a front end having a second interface to a connector, wherein the second interface prevents a flexible contact medium on the electrical contact from being distorted by the connector.
 - B3 2. The electrical contact of claim 1, wherein the first interface connects to a connection medium.
 - Sub 2 3. The electrical contact of claim 1, wherein a front end of the flexible contact medium is isolated from the connector by a flange on the second interface.
 4. The electrical contact of claim 3, wherein the flange is a part of a first insulator.
 - B3 5. The electrical contact of claim 1, wherein a front end of the flexible contact medium is tapered toward an outer boundary of the second interface.
 - Sub 3 6. The electrical contact of claim 1, wherein a front end of the flexible contact medium is isolated from the connector by a curved rim on the second interface.

7. The electrical contact of claim 1, wherein the second interface permits connection of the connector with a rear portion of the flexible contact medium.

8. The electrical contact of claim 1, wherein the second interface guides the connector.

9. The electrical contact of claim 1, wherein the connector is a triaxial connector.

10. The electrical contact of claim 1, wherein the electrical contact is a male triaxial pin contact.

11. The electrical contact of claim 1, wherein the rear end is tubular.

12. The electrical contact of claim 1, wherein the front end is tubular.

13. The electrical contact of claim 1, wherein the first interface has one or more connection pins.

14. The electrical contact of claim 13, wherein the connection pins include at least one of the following: a center pin, an intermediate pin, and an outer pin.

15. An electrical contact, comprising:

an intermediate contact having a flexible connection medium;

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an outer contact surrounding the intermediate contact;
a first insulator surrounding the intermediate contact and the flexible connection medium, wherein the first insulator provides electrical isolation of the intermediate contact from the outer contact, and wherein the first insulator has a front face that protects the flexible connection medium from being distorted by an electrical connector, and wherein the outer contact surrounds the first insulator; and
a center contact surrounded by the intermediate contact.

16. The electrical contact of claim 15, further comprising a second insulator located between the intermediate contact and the center contact, wherein the second insulator provides electrical isolation of the center contact from the intermediate contact.

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17. The electrical contact of claim 15, further comprising a flange on the front face, wherein the flange isolates a front portion of the flexible connection medium from the mating connector.

18. The electrical contact of claim 15, further comprising a ledge on the front face, wherein a front portion of the flexible connection medium is located below the ledge.

19. The electrical contact of claim 15, wherein a front portion of the flexible connection medium has a taper, and wherein the taper guides the mating connector within the flexible connection medium.

20. The electrical contact of claim 15, wherein a front portion of the flexible contact medium is tapered toward an outer boundary of the second interface.
21. The electrical contact of claim 15, wherein a front portion of the flexible contact medium is isolated from the connector by a curved rim on the second interface.
22. The electrical contact of claim 15, wherein the second interface permits connection of the connector with a rear portion of the flexible contact medium.
23. The electrical contact of claim 15, further comprising a third insulator surrounding the center contact, wherein the third insulator provides electrical isolation of the center contact.
24. The electrical contact of claim 15, wherein the center contact is connected to a center pin that extends from a rear side of the outer contact such that the center contact is within a plane of the outer contact.
25. The electrical contact of claim 24, wherein the center pin carries a signal.

26. The electrical contact of claim 15, wherein the intermediate contact is connected to an intermediate pin that extends from a rear side of the outer contact such that the center contact is within a plane of the outer contact.

27. The electrical contact of claim 26, wherein the intermediate pin carries a ground potential.

28. The electrical contact of claim 26, wherein the intermediate pin carries a signal.

29. The electrical contact of claim 15, wherein the outer contact is connected to outer pin that extends from a rear side of the outer contact such that the center contact is within a boundary of the outer contact.

30. The electrical contact of claim 29, wherein the outer pin carries a ground potential.

31. An electrical connector, comprising:

a shell;

an electrical contact located within the housing, comprising:

a rear end having a first interface, and

a front end having a second interface to a connector, wherein the second interface prevents the electrical contact from being distorted by the connector; and at least one other electrical contact located within the shell.

32. The electrical connector of claim 31, wherein the shell is substantially circular and ^{B³} surrounds the electrical contacts.

33. An insulator device for a flexible contact medium, comprising:

a front end having a front opening; and

a rear end having a rear opening, wherein the rear opening is larger than the front opening, and wherein the front opening protects the flexible contact medium from being distorted by a mating connector entering the front opening.

34. The insulator device of claim 33, wherein the front opening has a tapered end smaller than the flexible contact medium.

35. The insulator device of claim 33, wherein the front opening receives a connector.

36. The insulator device of claim 33, wherein the rear opening receives the flexible contact medium.

37. The insulator device of claim 33, wherein the insulator device is a part of a male triaxial electrical connector.

38. The insulator device of claim 33, wherein the insulator device is surrounded by an outer contact.

39. The insulator device of claim 33, wherein the flexible contact medium is an intermediate contact that surrounds a center contact.

Sub 40

40. A pin contact, comprising:

an outer contact;

an intermediate contact surrounded by the outer contact, wherein the intermediate contact has an outer insulative body and an inner flexible conductive body, and wherein the outer insulative body prevents the inner flexible conductive body from being distorted by a connector mating with the pin contact; and

a center contact surrounded by the outer contact and the intermediate contact.

41. The pin contact in claim 40, further comprising a second insulator located between the intermediate contact and the center contact, wherein the second insulator provides electrical isolation of the center contact from the intermediate contact.

42. The pin contact in claim 40, further comprising a third insulator surrounding the center contact, wherein the third insulator provides electrical isolation of the center contact.

43. The pin contact in claim 40, wherein the center contact is connected to a center pin that
B3 extends from a rear side of the outer contact such that the center contact is within a
plane of the outer contact.

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